PRELIMINARY OPINION OF PROBABLE COST
WATER SUPPLY & DISTRIBUTION RESILIENCY IMPROVEMENTS
TOWN OF BLACK MOUNTAIN
JULY 2026

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT PRICE	TOTAL
1	Mobilization (3.0%)	1	LS	3%	$ 220,300
2	Water Supply Well, Preliminary Drilling	2	EA	$ 50,000	$ 100,000
3	Water Supply Well, Final Development	2	EA	$ 150,000	$ 300,000
4	Existing Supply Well Piping, Building, and Site Modifications	10	EA	$ 40,000	$ 400,000
5	8" DIP Water Line, Well Transmission Line	1000	LF	$ 120	$ 120,000
6	6" DIP Water Line. Well Transmission Line	500	LF	$ 95	$ 47,500
7	4" DIP Water Line, Well Transmission	500	LF	$ 85	$ 42,500
8	2" HDPE Water Line, Well Transmission	1000	LF	$ 60	$ 60,000
9	Backup Generators, Supply Wells	5	EA	$ 75,000	$ 375,000
10	Existing Supply Well SCADA Telemetry	11	EA	$ 12,000	$ 132,000
11	Well Treatment Building Modifications	1	LS	$ 30,000	$ 30,000
13	6" DIP Water Line, Chapel Rd	2,000	LF	$ 95	$ 190,000
13	12" DIP Water Line, Shumate Rd	1,250	LF	$ 200	$ 250,000
13	24" Bore & Jack with Carrier Pipe	200	LF	$ 500	$ 100,000
15	Reconnect to Existing Water Line	4	EA	$ 9,500	$ 38,000
16	6" Gate Valve	6	EA	$ 5,500	$ 33,000
17	12" Gate Valve	6	EA	$ 9,500	$ 57,000
18	Fire Hydrant Assembly	5	EA	$ 9,500	$ 47,500
19	Reconnect Existing Water Service	10	EA	$ 2,500	$ 25,000
20	Rock Excavation	250	CY	$ 300	$ 75,000
21	Select Backfill	300	CY	$ 60	$ 18,000
21	Asphalt Pavement Repair	500	LF	$ 95	$ 47,500
23	Water Line Creek Crossing, Complete, by Directional Drill or Open Cut	14	EA	$ 80,000	$ 1,120,000
24	0.75MG Storage Tank, Demo Existing Tank	1	LS	$ 2,500,000	$ 2,500,000
25	Booster Pump Station Generators, Miscellaneous Electrical Improvements	5	EA	$ 100,000	$ 500,000
26	Water Supply Well, Preliminary Drilling	2	EA	$ 75,000	$ 150,000
27	Water Supply Well, Final Development	2	EA	$ 140,000	$ 280,000
28	8" DIP Water Line	1000	LF	$ 85	$ 85,000
	CONSTRUCTION SUBTOTAL				**$ 7,343,300**
	CONTINGENCY				$ 734,400
	ENGINEERING DESIGN AND PERMITTING				$ 730,000
	BID AND AWARD				$ 60,000
	CONSTRUCTION OBSERVATION & ADMINISTRATION				$ 570,000
	LEGAL/EASEMENTS				$ 125,000
	FUNDING ADMINISTRATION				$ 80,000
	EMERGENCY RESPONSE PLAN				$ 50,000
	SUBTOTAL				$ 9,692,700
	2% Closing Costs				$ 193,854
	TOTAL PROJECT				**$ 9,886,554**

Notes:

1. All costs shown are in current dollars.

2. The Engineer maintains no control of labor costs, materials, equipment or services furnished by others, the Contractor(s)' methods for determining prices, or competitive or market conditions. The opinions herein for project and construction costs represent the Engineer's best judgment, and are based on experience and qualifications as a Professional Engineer who possesses familiarity with the construction industry. The Engineer does not guarantee the accuracy of the cost opinions which may vary from bids or actual project and construction costs.

3. Rock excavation or undercut of unsuitable material is not included in the above cost opinion.

4. Cost opinion based on LIDAR topographical data and conceptual site plan. Revisions to cost opinions should be expected after final design is complete.